



Land and Chemicals Division

Type of Document: ☐ Notice of Violation and Inspection Report/Checklist
☐ No Violation Letter and Inspection Report/Checklist
☐ Letter of Acknowledgment
☐ Information Request
☐ Pre-Filing and Opportunity to Confer
☐ State Notification of Enforcement Action
☐ Return to Compliance
☒ Other Correspondence- NOD, memo to ORC

Facility Name: Land and Lakes

City: Chicago State: IL

U.S. EPA ID#: None

Assigned Staff: Jamie Paulin Phone: 6-1771

Name	Signature	Date
Author	<i>Jamie Paulin</i>	3/9/12
Regional Counsel		
Section Chief	<i>See attached letter JB</i>	
Branch Chief		

Directions/Request for Clerical Support:

After the Section Chief/Branch Chief signs this sheet and original letter:

1. Date stamp the cover letter;
2. Make one copy of the contents of this folder for the official file; Note: original inspection report goes into file room.
3. Scan the letter and save the file in the appropriate share drive folder.
4. Mail the original certified mail.
5. Distribute office copies and cc's and bcc's by email.

Once the certified mail receipt is returned:

6. File the certified mail receipt (green card), with this sign-off sheet and the official file copy, and take to 7th floor RCRA file room.
7. E-mail staff the date that the letter was received by facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:
LR-8J

CERTIFIED MAIL 7009 1680 0000 7642 3663
RETURN RECEIPT REQUESTED

Mr. James Cowhey
President
Land and Lakes
123 North Northwest Highway
P.O. Box 778
Park Ridge, Illinois 60068-0778

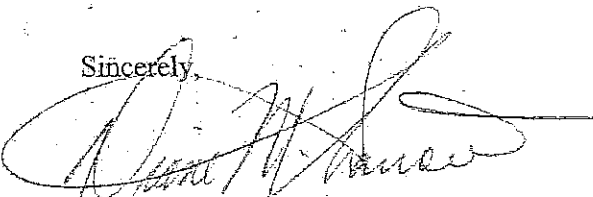
Re: Inspection Report and Sampling Results
RCRA Compliance Evaluation Inspection – Land and Lakes, 2000 East 122nd Street,
Chicago, Illinois

Dear Mr. Cowhey:

On June 16, 2011 the U.S. Environmental Protection Agency conducted an on-site Resource Conservation and Recovery Act (RCRA) compliance investigation and sampling event at the Land and Lakes facility, located at 2000 East 122nd Street, Chicago, Illinois. Enclosed please find a copy of the inspection report and the sampling results. The sampling analyses were performed by the Chicago Regional Laboratory.

If you have any questions regarding this letter, please contact Ms. Jamie L. Paulin, of my staff, at (312) 886-1771.

Sincerely,



for

Lorna M. Jereza, Chief
Compliance Section 1
RCRA Branch

Enclosure

cc: Todd Marvel, Illinois Environmental Protection Agency



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 W. JACKSON BOULEVARD
CHICAGO, IL 60604

COMPLIANCE EVALUATION INSPECTION REPORT

INSTALLATION NAME: Land and Lakes Company

EPA ID No.: No EPA ID Number

LOCATION ADDRESS: 2000 East 122nd Street,
Chicago, Illinois 60827

NAICS CODE(S): [562212]

DATE OF INSPECTION: June 16, 2011

EPA RCRA INSPECTOR: Jamie L. Paulin
Chemist
LR-8J
Compliance Section 1
(312) 886-1771 Direct
(312) 353-4788 Facsimile
paulin.jamie@epa.gov

PREPARED BY:

Jamie L. Paulin
Jamie L. Paulin
Chemist

1/30/12
Date

REVIEWED BY:

Lorna M. Jereza for
Lorna M. Jereza, Chief
Compliance Section 1
RCRA Branch

1/27/2012
Date

INTRODUCTION:

The purpose of the inspection was to conduct an un-announced Compliance Evaluation Inspection (CEI) and sampling event at: Land and Lakes Company (Land and Lakes), located at 2000 East 122nd Street, Chicago, Illinois. The investigation was also conducted to examine Land and Lakes management, if any, of its Resource Conservation and Recovery Act (RCRA) regulated waste, by the U.S. Environmental Protection Agency and also to conduct sampling of the outfalls located on Land and Lake's property. This inspection was a multi-media inspection, which included the RCRA Branch, the Water Division [Water Enforcement & Compliance Assurance Branch (WECAB)] and the Office of Enforcement and Compliance Assurance (OECA), as part of the investigatory team. Both RCRA and WECAB performed sampling from two of the targeted outfalls.

Based on previous inspections and investigations, it had been noted that a yellow free-flowing, discharge was seen outpouring from a PVC pipe leading into the Port of Chicago, connected to Lake Calumet. Many tenants occupy facilities in this area; however the PVC pipe appeared to be located near the Land and Lakes property. After further review of files and schematics of the storm water flow on the Land and Lakes property, it appeared that one of Land and Lake's storm water discharge outfalls, Outfall SW002, flowed in the direction of a storm water outfall, located on an adjacent property, which empties into the Port of Chicago. However, this could not be determined at the time of the inspection.

Land and Lakes is a closed Subtitle D non-hazardous landfill, now referred to as the Harborview Landscape Waste Facility. This landfill was capped and certified closed in 2000. Land and Lakes currently has a permit to perform landscape waste composting at the top of the landfill. They are operating a leachate collection system and have a permit to discharge the collected leachate to the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). They also have a storm water discharge permit. Land and Lakes has not notified as a hazardous waste generator and does not have an EPA generator ID number. In 2005, Land and Lakes signed a consent decree with the Illinois Environmental Protection Agency (IEPA) for violations of the storm water permit.

At the time of the inspection, we were prepared to sample from Land and Lake's Outfall 002, located on their property, as part of the investigation into storm water flow.

Sampling and analyses of the discharge, the surrounding soil, and of any containers of hazardous waste on-site, were to be performed in order to determine whether their contents exhibit hazardous waste characteristics (specifically, VOCs, SVOCs, or metals + Hg). Sampling and analyses of the ground, located in the area, where possible containers might be staged and down-gradient (*i.e.*, in the direction of the PVC discharge pipe or in the direction of the Port of Chicago which is situated on the east side of the facility), were to be performed in order to determine whether the soil exhibits hazardous waste characteristics and has been contaminated.

SITE INSPECTION LAND AND LAKES:

We made entry at Land and Lakes, located at 2000 East 122nd Street, Chicago, Illinois at approximately 11:34am. Mr. Lukowich, Ms. Burdett, Mr. Deyoe and I began the investigation at Land and Lakes, prior to sampling. We met with Mr. James Cowhey, President and CEO, Mr. Brian Wozniak, Operations Manager, Ms. Charlene Troyer, Environmental Compliance Assistant, and Ms. Amanda Miller, Environmental Manager Special Waste Coordinator.

The personnel that were in attendance as part of entry and sampling on Land and Lake's site, are listed in *Table 1*.

Table 1. Personnel in Attendance during Sampling Event at Dockside Steel Processing

Personnel	Title	Department
James Cowhey	President	Land and Lakes
Brian Wozniak	Operations Manager	Land and Lakes
Charlene Troyer	Environmental Compliance Assistant	Land and Lakes
Amanda Miller	Environmental Manager Special Waste Coordinator	Land and Lakes
Kathy Triantafillou	Environmental Engineer	EPA OECA
Lynne Roberts	Environmental Scientist	EPA OECA
Michael Lukowich	Environmental Engineer	EPA Water Division
Cheryl Burdett	Life Scientist	EPA Water Division
Jeremy Deyoe	Environmental Engineer	EPA Water Division
Jamie Paulin	Chemist	EPA RCRA Branch

We viewed Land and Lakes property, Outfall 003, located on the South side of the property. A cover net, along with some grass, was covering the pipe. A small amount of water was flowing

from the North heading south to the pipe, at the time of the inspection. Samples were not taken from Outfall 003 since it did not flow into Dockside's Outfall 002. *See, photographs 1 and 2.*

From Outfall 003, we proceeded to view Land and Lakes' Leachate Collection System. Samples were not taken from this system since the leachate water was being sent to the local POTW (MWRDGC) for treatment. *See, photograph 3.*

Mr. Cowhey stated that Land and Lakes did have a permit to discharge to the POTW.

We then traveled to Land and Lakes Outfall 002, located on the West side of the property. Mr. Lukowich found where the Outfall travels into a grate. However, at the time of the inspection, Land and Lakes did not actually know to where the water flowed after leaving the outfall. I sampled from this grate where the water was flowing from Outfall 002. *See, photograph 4.*

I first used pH paper to estimate the pH of the water flowing from the Outfall 002, which lead into this grate. A continual flow of yellow water was occurring during the sampling. The pH was estimated between 8 and 9, based on the pH paper. *See, photograph 5.*

I then used a disposable scoop and distributed the flowing water, alternately, into two separate jars. Land and Lakes had requested split samples. The samples were taken at 1:20pm. We labeled the samples as SRL-002A and SRL-002A split. The split sample was given to Land and Lakes. *See, photograph 6.*

Lastly, I was able to take sediment samples from this same location. I collected the sediment material with a disposable scoop and composited the sediment onto a piece of aluminum foil. I then alternately distributed the material into two separate jars. The sample was taken at 1:30pm. We labeled the samples as SRL-002B and SRL-002B split. The split sample was given to Land and Lakes. *See, photograph 7.*

This concluded our sampling event and site inspection at Land and Lakes. The SRL-002B and SRL-002B split samples were to be analyzed for total metals, TCLP metals and mercury.

I did not perform a Records Review as part of this investigation, at the time of the inspection, since a Records Review was not part of our data quality objective.

ATTACHMENT: (1)

Attachment 1 Photographs taken during the time of the inspection.

Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 1
Photo Filename DSCN0151.jpg
Date/Time 6/16/2011
11:03:16 AM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes property, Outfall 003, located on the South side of the property. A cover net and grass were covering the pipe and a small amount of water was flowing east to the pipe at the time of the inspection.



Disk Number 1
Photo Number 2
Photo Filename DSCN0152.jpg
Date/Time 6/16/2011
11:03:22 AM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes property, outfall 003. A small amount of water was flowing east to the pipe at the time of the inspection.



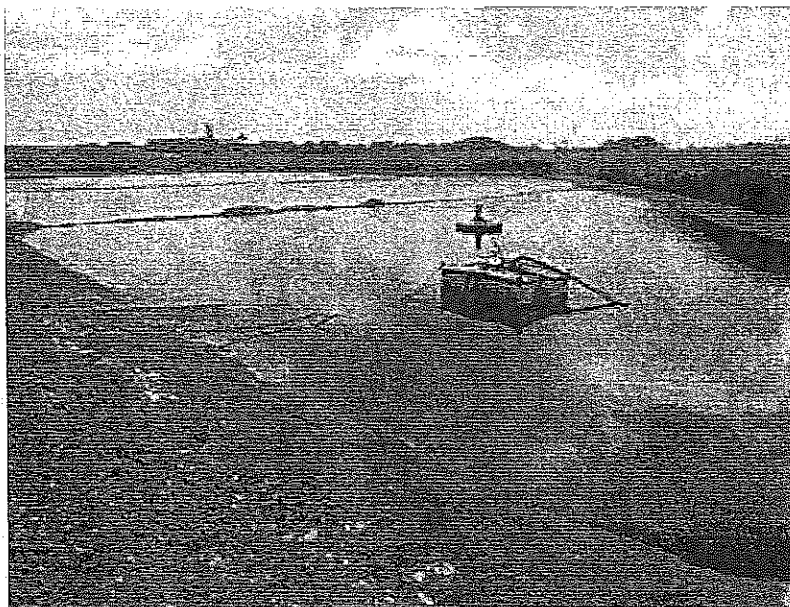
Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 3
Photo Filename DSCN0153.jpg
Date/Time 6/16/2011
11:30:44 AM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes Leachate Collection System. Samples were not taken from this system since the leachate water was sent to the local POTW for treatment.



Disk Number 1
Photo Number 4
Photo Filename DSCN0154.jpg
Date/Time 6/16/2011
11:49:56 AM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes Outfall 002, located on Land and Lakes property. A steady flow of water was flowing to the outfall. This outfall was located across the street from Dockside. Land and Lakes did not know where the water went once it left the outfall.



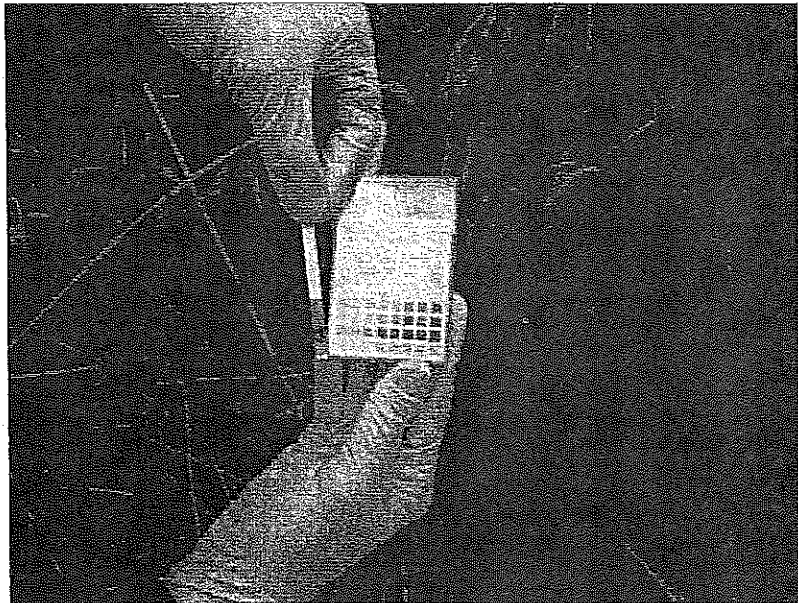
Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 5
Photo Filename DSCN0155.jpg
Date/Time 6/16/2011
12:18:12 PM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes Outfall 002. pH paper indicated that the pH of the flowing water was between 8 and 9.



Disk Number 1
Photo Number 6
Photo Filename DSCN0156.jpg
Date/Time 6/16/2011
12:24:50 PM
Photographer Jamie Paulin and
Lynne Roberts

Description

SRL-002A and SRL-002A split. Two samples collected from Land and Lakes outfall 002. The color of the collected water was yellow/amber. The split was given to Land and Lakes.



Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 7
Photo Filename DSCN0157.jpg
Date/Time 6/16/2011
12:36:32 PM
Photographer Jamie Paulin and
Lynne Roberts

Description

SRL-002B and SRL-002B split. Two samples collected from the sediment located at Land and Lakes outfall 002. The color of the collected sediment was brownish/gray. The split was given to Land and Lakes.



Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 1
Photo Filename DSCN0151.jpg
Date/Time 6/16/2011
11:03:16 AM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes property, Outfall 003, located on the South side of the property. A cover net and grass were covering the pipe and a small amount of water was flowing east to the pipe at the time of the inspection.



Disk Number 1
Photo Number 2
Photo Filename DSCN0152.jpg
Date/Time 6/16/2011
11:03:22 AM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes property, outfall 003. A small amount of water was flowing east to the pipe at the time of the inspection.



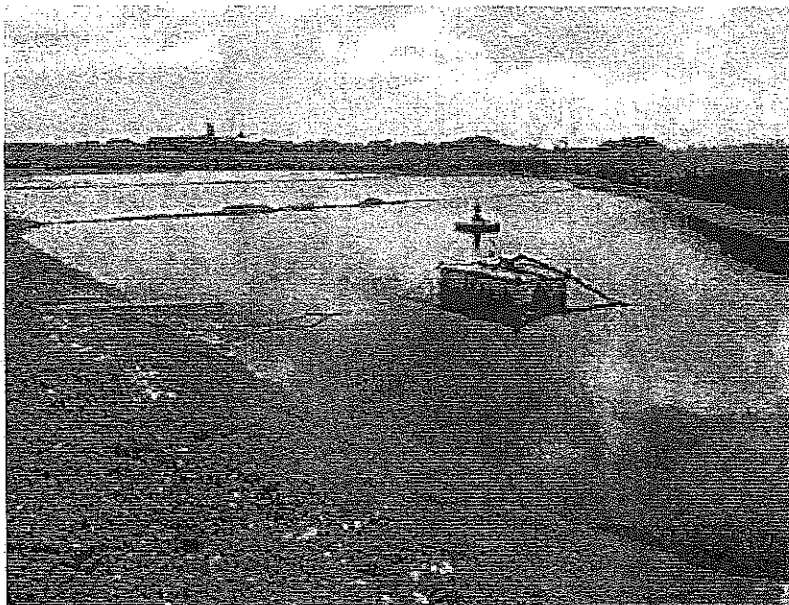
Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 3
Photo Filename DSCN0153.jpg
Date/Time 6/16/2011
11:30:44 AM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes Leachate Collection System. Samples were not taken from this system since the leachate water was sent to the local POTW for treatment.



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Photo Filename DSCN0154.jpg
Date/Time 6/16/2011
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Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes Outfall 002, located on Land and Lakes property. A steady flow of water was flowing to the outfall. This outfall was located across the street from Dockside. Land and Lakes did not know where the water went once it left the outfall.



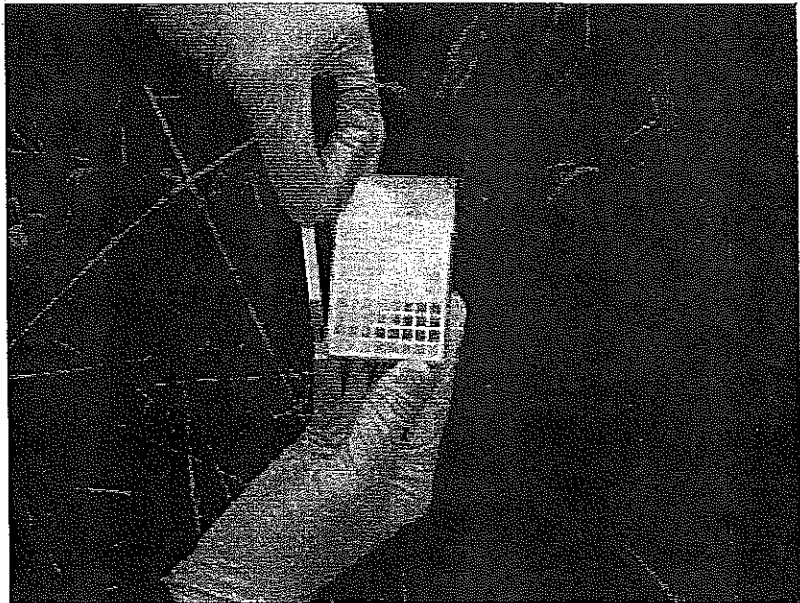
Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 5
Photo Filename DSCN0155.jpg
Date/Time 6/16/2011
12:18:12 PM
Photographer Jamie Paulin and
Lynne Roberts

Description

Land and Lakes Outfall 002. pH paper indicated that the pH of the flowing water was between 8 and 9.



Disk Number 1
Photo Number 6
Photo Filename DSCN0156.jpg
Date/Time 6/16/2011
12:24:50 PM
Photographer Jamie Paulin and
Lynne Roberts

Description

SRL-002A and SRL-002A split. Two samples collected from Land and Lakes outfall 002. The color of the collected water was yellow/amber. The split was given to Land and Lakes.



Photographs for Land and Lakes Company

Media: RCRA

Disk Number 1
Photo Number 7
Photo Filename DSCN0157.jpg
Date/Time 6/16/2011
12:36:32 PM
Photographer Jamic Paulin and
Lynne Roberts

Description

SRL-002B and SRL-002B split. Two samples collected from the sediment located at Land and Lakes outfall 002. The color of the collected sediment was brownish/gray. The split was given to Land and Lakes.





Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone: (312) 353-8370 Fax: (312) 886-2591



**LABORATORY
ACCREDITATION
BUREAU**
ACCREDITED ISO/IEC 17025
Certificate # 12280 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-11-11 10:22

Metals by ICP using EPA 200.7 (modified)
US EPA Region 5 Chicago Regional Laboratory

SRL-002A (1106007-03) Water Sampled: Jun-16-11 13:20 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	0.477			0.200	mg/L	1	B106032	Jun-23-11	Jun-24-11
Antimony	U			0.02	"	"	"	"	"
Arsenic	U			0.04	"	"	"	"	"
Barium	0.0677			0.003	"	"	"	"	"
Beryllium	U			0.001	"	"	"	"	"
Boron	0.638			0.05	"	"	"	"	"
Cadmium	U			0.002	"	"	"	"	"
Calcium	304			0.200	"	"	"	"	"
Chromium	0.00845			0.005	"	"	"	"	"
Cobalt	0.00771			0.003	"	"	"	"	"
Copper	0.0312			0.005	"	"	"	"	"
Iron	1.61			0.08	"	"	"	"	Jun-27-11
Lead	U			0.015	"	"	"	"	Jun-24-11
Lithium	0.0553			0.025	"	"	"	"	Jun-27-11
Magnesium	139			0.200	"	"	"	"	Jun-24-11
Manganese	0.502			0.008	"	"	"	"	Jun-27-11
Molybdenum	0.0617			0.006	"	"	"	"	Jun-24-11
Nickel	0.0274			0.006	"	"	"	"	"
Potassium	377			0.800	"	"	"	"	"
Selenium	U			0.05	"	"	"	"	"
Silver	U			0.005	"	"	"	"	"
Sodium	74.6			0.400	"	"	"	"	"
Strontium	0.992			0.003	"	"	"	"	"
Thallium	U			0.03	"	"	"	"	"
Tin	U			0.02	"	"	"	"	"
Vanadium	0.00622	K		0.005	"	"	"	"	"
Zinc	0.0553			0.03	"	"	"	"	"

Amanda Wroble 07.11.11
Amanda Wroble, Chemist



Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone: (312) 353-8370 Fax: (312) 886-2591



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Certificate # L2239 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-25-11 15:39

Metals by ICP, TCLP Extracts using EPA 1311 & 200.7 (modified)

US EPA Region 5 Chicago Regional Laboratory

SRL-002B (1106007-04) Soil Sampled: Jun-16-11 13:30 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Arsenic	U			0.200	mg/L	1	B107017	Jul-13-11	Jul-21-11
Barium	0.249			0.03	"	"	"	"	"
Cadmium	U			0.02	"	"	"	"	"
Chromium	U			0.05	"	"	"	"	"
Lead	U			0.150	"	"	"	"	"
Selenium	U			0.300	"	"	"	"	"
Silver	U			0.05	"	"	"	"	"

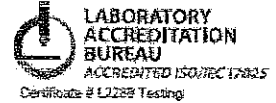
KS

Kathleen Swan, Analyst



Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591




Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-25-11 15:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SRL-002B	1106007-04	Soil	Jun-16-11 13:30	Jun-16-11 15:37


Kathleen Swan, Analyst



Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone: (312) 353-8370 Fax: (312) 886-2591



LABORATORY
ACCREDITATION
BUREAU
ACCREDITED / ISO/IEC 17025
Certificate # L2286 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-19-11 14:40

Metals by ICP using EPA 200.7 (modified)
US EPA Region 5 Chicago Regional Laboratory

SRL-002B (1106007-04) Soil Sampled: Jun-16-11 13:30 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	9900			53	mg/kg	1	B106042	Jun-29-11	Jul-18-11
Antimony	U			53	"	"	"	"	"
Arsenic	U			53	"	"	"	"	"
Barium	87			0.53	"	"	"	"	"
Beryllium	0.69			0.53	"	"	"	"	"
Boron	30			5.3	"	"	"	"	"
Cadmium	2.6			1.1	"	"	"	"	"
Calcium	43000			21	"	"	"	"	"
Chromium	36			1.1	"	"	"	"	"
Cobalt	11			2.1	"	"	"	"	"
Copper	57			1.1	"	"	"	"	"
Iron	24000			110	"	"	"	"	"
Lead	57			11	"	"	"	"	"
Lithium	20			1.1	"	"	"	"	"
Magnesium	22000			11	"	"	"	"	"
Manganese	490	J		0.53	"	"	"	"	"
Molybdenum	U			11	"	"	"	"	"
Nickel	29			5.3	"	"	"	"	"
Potassium	3600			53	"	"	"	"	"
Selenium	U			110	"	"	"	"	"
Silver	2.7			2.1	"	"	"	"	"
Sodium	200			11	"	"	"	"	"
Strontium	53			0.53	"	"	"	"	"
Thallium	U			110	"	"	"	"	"
Tin	28			21	"	"	"	"	"
Titanium	140			5.3	"	"	"	"	"
Vanadium	24			5.3	"	"	"	"	"
Zinc	210			21	"	"	"	"	"



Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591




Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-19-11 14:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SRL-002B	1106007-04	Soil	Jun-16-11 13:30	Jun-16-11 15:37


Kathleen Swan, Analyst



Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone: (312)353-8370 Fax: (312)886-2591



**LABORATORY
ACCREDITATION
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ACCREDITED ISO/IEC 17025
Certificate # 12288 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-26-11 08:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SR-002A	1106007-01	Water	Jun-16-11 11:00	Jun-16-11 15:37
SR-002B	1106007-02	Water	Jun-16-11 11:04	Jun-16-11 15:37
SRL-002A	1106007-03	Water	Jun-16-11 13:20	Jun-16-11 15:37

Corrosivity EPA 9040C (modified)

US EPA Region 5 Chicago Regional Laboratory

SR-002A (1106007-01) Water Sampled: Jun-16-11 11:00 Received: Jun-16-11 15:37

Analyte	Result	Flags/ Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
pH	8.5				pH Units	1	B106036	Jun-24-11	Jun-24-11

SR-002B (1106007-02) Water Sampled: Jun-16-11 11:04 Received: Jun-16-11 15:37

Analyte	Result	Flags/ Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
pH	8.5				pH Units	1	B106036	Jun-24-11	Jun-24-11

SRL-002A (1106007-03) Water Sampled: Jun-16-11 13:20 Received: Jun-16-11 15:37

Analyte	Result	Flags/ Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
pH	8.0				pH Units	1	B106036	Jun-24-11	Jun-24-11

Nidia Fuentes
Nidia Fuentes, Analyst



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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Phone: (312) 353-8370 Fax: (312) 886-2591



**LABORATORY
ACCREDITATION
BUREAU**
ACCREDITED ISO/IEC 17025
Certificate # 12280 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-26-11 08:06

Notes and Definitions

U Not Detected

NR Not Reported

NF

Nidia Fuentes, Analyst



Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone: (312) 353-8370 Fax: (312) 886-2591



**LABORATORY
ACCREDITATION
BUREAU**
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-29-11 09:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SR-002A	1106007-01	Water	Jun-16-11 11:00	Jun-16-11 15:37
SR-002B	1106007-02	Water	Jun-16-11 11:04	Jun-16-11 15:37
SRL-002A	1106007-03	Water	Jun-16-11 13:20	Jun-16-11 15:37
SRL-002B	1106007-04	Soil	Jun-16-11 13:30	Jun-16-11 15:37

Mercury Cold Vapor, TCLP Extracts, EPA 245.1 (modified)

US EPA Region 5 Chicago Regional Laboratory

SR-002A (1106007-01) Water Sampled: Jun-16-11 11:00 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U	J		0.50	ug/L	1	B107003	Jul-05-11	Jul-06-11

SR-002B (1106007-02) Water Sampled: Jun-16-11 11:04 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U			0.50	ug/L	1	B107003	Jul-05-11	Jul-06-11

SRL-002A (1106007-03) Water Sampled: Jun-16-11 13:20 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U			0.50	ug/L	1	B107003	Jul-05-11	Jul-06-11

SRL-002B (1106007-04) Soil Sampled: Jun-16-11 13:30 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	U			0.10	ug/L	1	B107002	Jul-05-11	Jul-06-11

FAA 7/29/2011

Francis Awanya, Group Leader



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Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
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**LABORATORY
ACCREDITATION
BUREAU**
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Jul-29-11 09:06

Notes and Definitions

J The identification of the analyte is acceptable; the reported value is an estimate.
U Not Detected
NR Not Reported

~~FAA~~ 7/29/2011

Francis Awanya, Group Leader



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Certificate # L2286 Testing

Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Nov-29-11 15:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SR-002A	1106007-01	Water	Jun-16-11 11:00	Jun-16-11 15:37
SR-002B	1106007-02	Water	Jun-16-11 11:04	Jun-16-11 15:37
SRL-002A	1106007-03	Water	Jun-16-11 13:20	Jun-16-11 15:37
SRL-002B	1106007-04	Soil	Jun-16-11 13:30	Jun-16-11 15:37



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Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Nov-29-11 15:06

Semivolatiles by GC/MS, EPA 8270C (modified)

US EPA Region 5 Chicago Regional Laboratory

SRL-002A (1106007-03) Water Sampled: Jun-16-11 13:20 Received: Jun-16-11 15:37

Analyte	Result	Flags/ Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.12	mg/L	1	B108004	Jul-05-11	Jul-10-11
2-Methylphenol	U			0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U			0.025	"	"	"	"	"
Hexachloroethane	U			0.025	"	"	"	"	"
Nitrobenzene	U			0.025	"	"	"	"	"
Hexachlorobutadiene	U			0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.025	"	"	"	"	"
2,4-Dinitrotoluene	U			0.025	"	"	"	"	"
Hexachlorobenzene	U			0.025	"	"	"	"	"
Pentachlorophenol	U			0.025	"	"	"	"	"
Surrogate: 2-Fluorophenol	0.26			42.2 %		20.7-60.7	"	"	"
Surrogate: Phenol-d5	0.22			35.8 %		13-73	"	"	"
Surrogate: Nitrobenzene-d5	0.38			61.3 %		38.2-98.2	"	"	"
Surrogate: 2-Fluorobiphenyl	0.33			52.8 %		39.2-99.2	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.31			50.2 %		49.2-109.2	"	"	"
Surrogate: Terphenyl-614	0.40			64.7 %		48.1-108.1	"	"	"

SRL-002B (1106007-04) Soil Sampled: Jun-16-11 13:30 Received: Jun-16-11 15:37



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Project: Lake Calumet
Project Number: 04CB2011
Project Manager: Cheryl Burdett

Reported:
Nov-29-11 15:06

Semivolatiles by GC/MS, EPA 8270C (modified)

US EPA Region 5 Chicago Regional Laboratory

SRL-002B (1106007-04) Soil Sampled: Jun-16-11 13:30 Received: Jun-16-11 15:37

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.14	mg/L	1	B108004	Jul-05-11	Jul-10-11
2-Methylphenol	U			0.028	"	"	"	"	"
3- &/or 4-Methylphenol	U			0.028	"	"	"	"	"
Hexachloroethane	U			0.028	"	"	"	"	"
Nitrobenzene	U			0.028	"	"	"	"	"
Hexachlorobutadiene	U			0.028	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.028	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.028	"	"	"	"	"
2,4-Dinitrotoluene	U			0.028	"	"	"	"	"
Hexachlorobenzene	U			0.028	"	"	"	"	"
Pentachlorophenol	U			0.028	"	"	"	"	"
Surrogate: 2-Fluorophenol	0.39			56.0 %		20.7-80.7	"	"	"
Surrogate: Phenol-d5	0.34			49.5 %		13.73	"	"	"
Surrogate: Nitrobenzene-d5	0.50			71.9 %		38.2-98.2	"	"	"
Surrogate: 2-Fluorobiphenyl	0.47			67.2 %		39.2-99.2	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.43			62.6 %		49.2-109.2	"	"	"
Surrogate: Terphenyl-d14	0.57			81.8 %		48.1-108.1	"	"	"

